

112.P14046

RECEIVED  
CENTRAL FAX CENTERPatent

OCT 30 2006

IN THE CLAIMSAmendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the applicant and/or assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

Listing of Claims:

What is claimed is:

1. (Currently Amended): A light guide plate structure comprising:  
a light guide plate, comprising at least one light incident surface, a light scattering surface and a light emitting surface, wherein the light incident surface is on a sidewall of the light guide plate, the light scattering surface is on a bottom surface of the light guide plate, the light emitting surface is on a top surface of the light guide plate, wherein the light scattering surface has a plurality of notches; and  
a plurality of transparent element structures ~~elements~~, disposed within the plurality of notches, wherein a reflective index of the plurality of transparent element structures ~~elements~~ is different from that of the light guide plate.
2. (Currently Amended): The light guide plate structure of claim 1, wherein the plurality of transparent element structures ~~elements~~ comprises a glass or an acrylic material.
3. (Currently Amended): The light guide plate structure of claim 1, wherein the light guide plate is a mesa light guide plate, the plurality of transparent element structures ~~elements~~ have different sizes, the plurality of transparent element structures ~~elements~~ are

112.P14046

Patent

disposed on the light scattering surface at least partially in sequence by size, and bottom surfaces of the plurality of transparent element structures ~~elements~~ are substantially coplanar.

4. (Currently Amended): A back light for a display comprising:

a light guide plate structure, comprising: a light guide plate, comprising at least one light incident surface, a light scattering surface and a light emitting surface, wherein the light incident surface is on a sidewall of the light guide plate, the light scattering surface is on a bottom surface of the light guide plate, the light emitting surface is on a top surface of the light guide plate, and wherein the light scattering surface has a plurality of notches;

a plurality of transparent element structures ~~elements~~, disposed within the plurality of notches, wherein a reflective index of the plurality of transparent element structures ~~elements~~ is different from that of the light guide plate; and

a ~~linear~~ linear light source next to the light incident surface of the light guide plate.

5. (Currently Amended): The back light of claim 4, wherein the plurality of transparent element structures ~~elements~~ comprises a glass or an acrylic material.

6. (Currently Amended): The back light of claim 4, wherein the light guide plate is a mesa light guide plate, the plurality of transparent element structures ~~elements~~ have different sizes, the plurality of transparent element structures ~~elements~~ are disposed on the light scattering surface at least partially in sequence by size, and bottom surfaces of the plurality of transparent element structures ~~elements~~ are substantially coplanar.

Claims 7-20 (Cancelled)